

# INTERNATIONAL SEARCH REPORT

PCT/GB 03/02577

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 B65H59/24		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 B65H		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 21 19 880 A (VYZKUMNY USTAV BAVLNARSKY) 18 November 1971 (1971-11-18) claim 1; figures	1-3, 7, 11, 12
A	PATENT ABSTRACTS OF JAPAN vol. 009, no. 226 (M-412), 12 September 1985 (1985-09-12) & JP 60 082571 A (MASAAKI MARUYAMA), 10 May 1985 (1985-05-10) abstract	1-3, 7, 11, 12
A	CH 551 338 A (B. WACHTER) 15 July 1974 (1974-07-15) the whole document	1-3, 7, 11, 12
A	US 2 715 505 A (A.A. ATKINS) 16 August 1955 (1955-08-16) figures 1-3	1-3, 7, 11, 12
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<div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.</span> <span><input checked="" type="checkbox"/> Patent family members are listed in annex.</span> </div>		
* Special categories of cited documents :		
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 48%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*Z* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search  <div style="text-align: center; font-weight: bold;">29 August 2003</div>	Date of mailing of the international search report  <div style="text-align: center; font-weight: bold;">05/09/2003</div>	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <div style="text-align: center; font-weight: bold;">D'Hulster, E</div>	

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 637 511 A (J.W.I. HEIJNIS) 5 May 1953 (1953-05-05) claim 1; figures	1-3,7, 11,12
A	US 1 965 363 A (E.J. ABBOTT) 3 July 1934 (1934-07-03) claim 1; figures 3,4	1-3,7, 11,12

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 2119880	A	18-11-1971	CS 149785 B1 AT 313207 B CH 537868 A DE 2119880 A1 JP 53023416 B	23-08-1973 11-02-1974 15-06-1973 18-11-1971 14-07-1978
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CH 551338	A	15-07-1974	IT 984012 B JP 49020466 A	20-11-1974 22-02-1974
US 2715505	A	16-08-1955	NONE	
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